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By Michelle Chan  
Michelle Chan

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appln. No.	:	To Be Assigned	Confirmation No.:
Applicant	:	Theo T. Nikiforov	
Filed	:	Herewith	
TC/A.U.	:	1637	
Examiner	:	Jeffrey Siew	
Docket No.	:	100/07934	
Customer No.	:	021569	
Title	:	ASSAY METHODS AND SYSTEMS	

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

The references cited on the attached form PTO-1449 are being called to the attention of the Examiner. This application is a continuation of U.S. Patent Application No. 10/057,812, filed January 24, 2002, which is a continuation of U.S. Patent Application No. 09/727,532, filed November 28, 2000 (now U.S. Pat. 6,436,646), which is a continuation of U.S. Patent Application No. 09/569,193, filed May 11, 2000 (now U.S. Pat. 6,472,141), which is a continuation-in-part of U.S. Patent Application No. 09/316,447, filed May 21, 1999 (now U.S. Pat. 6,287,774). All references cited in the attached form 1449 except AM, AY, BA, BB, BF, BN, BQ, BU, CB, CT, CU, CV, CZ, DA and DF have been previously cited in these applications. Copies of AM, AY, BA, BB, BF, BN, BQ, BU, CB, CT, CU, CV, CZ, DA and DF are enclosed

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Theo T. Nikiforov

herewith. Copies of the remaining documents are not being provided pursuant to 37 CFR §1.98(d). If copies of the references are not available to the Examiner, the Examiner is invited to contact the undersigned.

It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR §1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is made that a search has been conducted or that this statement encompasses all possible relevant information.

Applicants believe that no fee is required for submission of this statement, since it is being submitted within three months of the filing date or prior to the first Office Action. However, if a fee is required, the Commissioner is authorized to charge such fee to Deposit Account No. 03-0177. Please charge any additional fees or credit any overpayment to the above-noted deposit account.

Respectfully submitted,



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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	
(use as many sheets as necessary)				Filing Date	Herewith
				First Named Inventor	Theo T. Nikiforov
				Art Unit	1637
				Examiner Name	Jeffrey S. Sivewright
Sheet		of		Attorney Docket Number	100/07934

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document No.	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appeal
		Number - Kind Code (if known)			
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AZ		US-6,326,142	12-04-2001	Royer	
BA		US-6,436,646	08-20-2002	Nikiforov	
Examiner Signature				Date Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	BB	US-6,472,141	10-29-2002	Nikiforov	
	BC	US-6,503,709	01-07-2003	Bekkaoui et al.	
	BD	US-09/321,309		Sundberg et al.	
	BE	US-2002/0061546	05-23-2002	Tsien et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code - Number - Kind Code (if known)			
BF		WO-94/12665		R-P Technologies	
BG		WO-95/15981	06-15-1995	Univ. Utah	
BH		WO-98/00231	01-08-1998	Caliper	
BI		WO-98/00705	01-08-1998	Caliper	
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BP		EP-0 781 853	07-02-1997	Eli Lilly Co.	
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
BR		ANDERSSON, L. et al., "Isolation of Phosphoproteins by Immobilized Metal(Fe3+) Affinity Chromatography," <u>Anal Biochem.</u> (1986) 154:250-254			
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			Art Unit	<b>1637</b>
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	BW	DANDLIKER, B.B. et al., "Fluorescence Polarization in Immunochemistry," <i>Immunochemistry</i> (1970) 7:799	
	BX	DANDLIKER, B.B. et al., "Fluorescence Polarization Immunoassay. Theory and Experimental Method," <i>Immunochemistry</i> (1973) 10:219	
	BY	DESHPANDE, S.S. et al., "A Robust, Versatile Tyrosine Kinase Assay for HTS in Drug Discovery," <i>Prog. Biomed. Optics (SPIE)</i> (1999) 3603:251-61	
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	CA	EGHOLM, M. et al., <u>Nature</u> (1993) 365:566-568	
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	CD	GIBSON, et al., "A Homogeneous Method for Genotyping with Fluorescence Polarization," <i>Clinical Chemistry</i> (1997) 43:1336-41	
	CE	GINGERAS, T.R. et al., "A Spectrofluorometric Method for Measurement of Restriction Endonuclease Activity Based on Fluorescence Polarization," <i>J. Cell. Biochem. Suppl.</i> (1992) Suppl. 17 Part C, p. 173	
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	CG	GREEN, R.C. "Fluorescence Polarization Colloid Charge Titration: Development and Application for Feed Forward Coagulant Control at Water Treatment Facilities," <i>Ph.D. Thesis, University of Colorado</i> (1997)	
	CH	ICHIMURA, S. et al., "The Interaction of 8-Anilino-1-Naphthalanesulfonate with Polylysine and Plyarginine," <i>Biopolymers</i> (1977) 16:1449-64	
	CI	JISKOOT, W. et al., "Preparation and Application of a Fluorescein-labeled Peptide for Determining the Affinity Constant of a Monoclonal Antibody-Hapten Complex by Fluorescence Polarization," <i>Anal. Biochem.</i> (1991) 196:421	
	CJ	JOLLEY, M.E. et al., "Fluorescence Polarization Immunoassay I. Monitoring Aminoglycoside Antibiotics in Serum and Plasma," <i>Clinical Chemistry</i> (1981) 27:1190-97	
	CK	JOLLEY, M.E. et al., "Fluorescence Polarization Assays for the Detection of Proteases and Their Inhibitors," <i>Journal of Biomolecular Screening</i> (1996) 1:33-38	
	CL	JORDEN, R.M. et al., "Colloid Charge Capacity-Its Measurement, Problems and Promise," <i>Chemical Water and Wastewater Treatment IV</i> (1997) 121-35	

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	CM	KUMKE, M.U. et al., "Hybridization of Fluorescein-Labeled DNA Oligomers Detected by Fluorescence Anisotropy with Protein Binding Enhancement," <i>Anal. Chem.</i> (1995) 67:3945-51	
	CN	LAURENCE, D.J.R., "A Study of the Adsorption of Dyes on Bovine Serum Albumin by the Method of Polarization of Fluorescence," <i>Biomechanical Journal</i> (1952) 51:165-77 "	
	CO	LEVINE, L.M. et al., <i>Anal. Biochem.</i> (1997) 247:83-88	
	CP	LEVISON, S.A. et al., "Fluorescence Polarization Measurement of the Hormone-Binding Site Interaction," <i>Endocrinology</i> (1976) 99:1129	
	CQ	LUNDBLAD, J.R., et al., "Fluorescence Polarization Analysis of Protein-DNA and Protein-Protein Interactions," <i>Molecular Endocrinology</i> (1996) 10:607-612	
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	CT	MUSCZYNSKA, G. et al., "Selective Asorption of Phosphoproteins on Gel-Immobilized Ferric Chelate" <i>Biochemistry</i> (1986) 25:6850-6853	
	CU	NIKIFOROV, THEO T. et al., <i>Anal. Biochem.</i> (1999) 275:248-253	
	CV	PARK, Y-W. et al., <i>Anal. Biochem.</i> (1999) 269:94-104	
	CW	OWICKI, J.C. et al., "Application of Fluorescence Polarization Assays in High-Throughput Screening," <i>Genetic Engineering News</i> (1997)	
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	CZ	SEETHALA, R. et al., <i>Anal. Biochem.</i> (1997) 253:210-218	
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	DB	SMALLSHAW, J.C. et al., "Determination of the Binding Constants for Three HPr-Specific Monoclonal Antibodies and Their Fab Fragments," <i>Mol. Biol.</i> (1998) 280:765-74	
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	DF	URIOS, P. et al., <i>Anal. Biochem.</i> (1990) 185:308-312	

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	DG	WALKER, G.T. et al., "Strand Displacement Amplification (SDA) and Transient-State Fluorescence Polarization Detection of Mycobacterium Tuberculosis DNA," Clinical Chemistry (1996) 42:9-13	
	DH	WALKER, G.T. et al., Nucl. Acids Res. (1996), 24(2):34-353	
	DI	WEBER, G. "Rotational Brownian Motion and Polarization of the Fluorescence of Solutions," Adv. Protein Chem. (1953) 8:415	
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	DK	WILKINSON, D. "Tyr'd and True: Immunochemical Reagents and Kits for Studying Tyrosine Phosphorylation," The Scientist (1999) pp. 13-21	
	DL	WU, P. et al., ""A High-Throughput STAT Binding Assay Using Fluorescence Polarization," Anal. Biochem. (1997) 249:29-36	
	DM	PanVera Corporation "Fluorescence Polarization Applications Guide", Madison, WI	
	DN	Molecular Devices Corporation's redacted version of its Opposition to Caliper's Motion for Preliminary Injunction in pending litigation US Civil Case No. C-02-1837 (CRB) and supporting declaration by Andrew R. Barron and Richard Sportsman	
	DO	Claim Construction Order, US District Court, Northern District of California, Case No. C 02-01837, September 3, 2003	

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